

Haozhu Wang

### Knowledge Flow results on iris data

=== Evaluation result ===

Scheme: J48

Options: -C 0.25 -M 2

Relation: iris

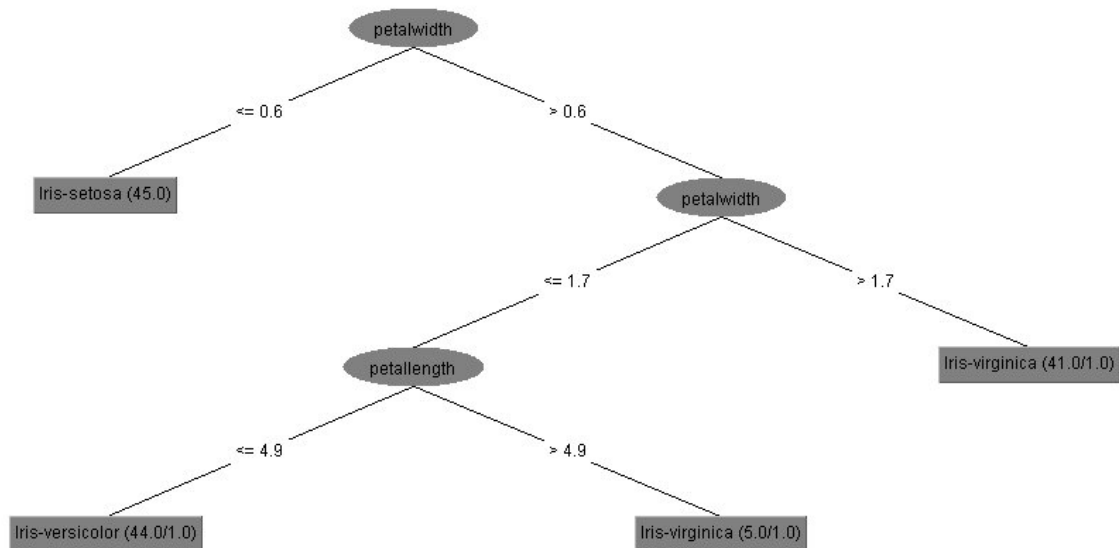
Correctly Classified Instances	144	96	%
Incorrectly Classified Instances	6	4	%
Kappa statistic	0.94		
Mean absolute error	0.035		
Root mean squared error	0.1586		
Relative absolute error	7.8705 %		
Root relative squared error	33.6353 %		
Total Number of Instances	150		

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	ROC Area	Class
	0.98	0	1	0.98	0.99	0.99	Iris-setosa
	0.94	0.03	0.94	0.94	0.94	0.952	Iris-versicolor
	0.96	0.03	0.941	0.96	0.95	0.961	Iris-virginica
Weighted Avg.	0.96	0.02	0.96	0.96	0.96	0.968	

=== Confusion Matrix ===

a b c <-- classified as  
49 1 0 | a = Iris-setosa  
0 47 3 | b = Iris-versicolor  
0 2 48 | c = Iris-virginica



## Experimenter Results.

Tester: weka.experiment.PairedCorrectedTTester

Analysing: Percent\_correct

Datasets: 1

Resultsets: 3

Confidence: 0.05 (two tailed)

Sorted by: -

Date: 11/13/09 7:35 AM

Dataset (1) rules.On | (2) rules (3) trees

iris (100) 93.53 | 33.33 \* 94.73

(v/ /\*) | (0/0/1) (0/1/0)

Key:

(1) rules.OneR '-B 6' -2.4594270021478615E18

(2) rules.ZeroR " 4.8055541465867952E16

(3) trees.J48 '-C 0.25 -M 2' -2.17733168393644448E17